

The Cane Growers' Quarterly — Bulletin —

VOLUME III

Contents

	PAGE.
FIJI DISEASE IN THE SOUTHERN DISTRICTS, by Arthur F. Bell	1
GUMMING DISEASE IN NORTH QUEENSLAND, by H. W. Kerr	5
MURIATE OR SULPHATE OF POTASH?	6
SUBSIDY ON FERTILIZERS	6
P.O.J. VARIETIES IN MACKAY DISTRICT, by H. W. Kerr	7
GREEN MANURE FOR ALLUVIAL SOILS	7
DIRTY HEADLANDS	8
CLUSTERED STOOL	8
POONA PEA AS A GREEN MANURE	10
B. 208 AND DOWNY MILDEW DISEASE, by H. W. Kerr	11
IRRIGATION IN NORTH QUEENSLAND	12
FEEDING FARM ANIMALS, by H. W. Kerr	14
SANCTUARIES FOR THE TACHINID FLY PARASITE OF THE BEETLE BORER, by Arthur F. Bell	19
PERMITS FOR TRANSFER OF SUGAR-CANE PLANTS	20
THE GIANT AMERICAN TOAD, by R. W. Mungomery	21
A NEW QUARANTINE HOUSE, by A. F. Bell	27
NEW FORM OF RAT BAIT	29
A FERTILIZER GUN, by N. J. King	30
DISTRICT CANE EXHIBITS AT BRISBANE SHOW, by H. W. Kerr	32
VARIETAL TRIAL AT BUNDABERG	33
VARIETAL TRIAL AT BABINDA	34
A NEW TRASH-CUTTING DEVICE	34
MEETING OF SUGAR EXPERIMENT STATIONS ADVISORY BOARD	35
"COTTON KING" ATTACHMENT	37
LABORATORY TESTING OF SOILS, by H. W. Kerr	38
CANE TRASH AND SOIL ORGANIC MATTER	39
OFFICIAL OPENING OF NORTHERN SUGAR EXPERIMENT STATION, MERINGA ..	40
THE SUGAR EXHIBIT AT THE BRISBANE JUBILEE SHOW	46
CHEAP FERTILIZERS	48
MEMORIAL CAIRN TO SUGAR PIONEERS	49
DONKEY AND MULE BREEDING, by H. J. Freeman	53
FROST DAMAGE IN CANE, by N. J. King	59
ENTOMOLOGY IN HAWAII, by R. W. Mungomery	64

Review of Annual Report, Bureau of Sugar Experiment Stations	73
Sugar Statistics	73
Economic Review	74
Bureau Affairs	76
Work of the Experiment Stations	78
MERINGA STATION	78
MACKAY STATION	78
BUNDABERG STATION	78
Division of Entomology and Pathology	81
Farm Fertility Trials—1935 Season	83
Northern Districts	84
Messrs. A. S. AND F. W. HARDWICK, Mossman	85
Messrs. S. J. PAGE AND SON, Edmonton	86
Mr. R. HANSEN, Gordonvale	87
Mr. H. J. THOMAS, Babinda	88
Messrs. HICKLING BROS., Aloomba	89
Mr. H. M. SMITH, Mundoo	90
Mr. J. JUMAS, South Johnstone	91
Mr. A. G. NEWMAN, South Johnstone	92
Mr. J. McCUTCHEON, Mourilyan	93
Mr. T. JONES, Tully	94
Burdekin District	95
Messrs. G. MCKERSIE AND SON, Ayr	95
Messrs. HOEY BROS., Brandon	96
Mr. J. CASALEGNO, Ayr	97
Mr. R. D. LOW, Ayr	98
Messrs. EDWARDS BROS., Home Hill	99
Mackay District	100
Mr. H. GRIFFITHS, Wallingford	100
Messrs. SOPER AND SON, Boldon	101
Mr. J. V. CONNOR, Otterburn	102
Messrs. OLLETT AND SONS, Habana	102
Messrs. BELDAN AND SONS, Savannah	103
Mr. J. ARCHIBALD, Newbury	104
Mr. S. A. LILLIENDAL, Koumala	105
Southern Districts	106
BINGERA PLANTATION, Bundaberg	106
BINGERA PLANTATION, Bundaberg	107
Messrs. E. H. AND A. NEWITT, Bundaberg	108
BINGERA PLANTATION, Bundaberg	109
Mr. E. A. PRESSLER, Bundaberg	110
Messrs. WADSWORTH AND SONS, Wallaville	111
Mr. W. LOESKOW, Bundaberg	112
Mr. E. A. NIELSEN, Bundaberg	112
Mr. C. M. JENSEN, Bundaberg	113
Mr. F. C. REHBEIN, Bundaberg	114
Mrs. W. C. NEWMAN, Bundaberg	114
Mr. A. W. BATES, Koolboo	115

	PAGE
Messrs. DOUGLAS BROS., Bundaberg	116
Mr. F. A. KLOTZ, Bundaberg	117
Mr. W. A. HAWTHORNE, Nambour	118
Mr. G. H. O'ROURKE, Maroochy River	119
Varietal Trials, 1935 Season	120
WINDERMERE PLANTATION, Bundaberg	121
WINDERMERE PLANTATION, Bundaberg	121
Mr. J. YOUNG, Bundaberg	122
Mr. F. M. SCHLEGEL, Bundaberg	123
Messrs. C. D. AND H. D. BUSS, Bundaberg	123
Mr. O. PEPPERCORN, Nambour	124
*SOME IMPORTANT FACTORS IN CANE IRRIGATION, by H. W. Kerr	125
THE BUNDABERG SUGAR EXPERIMENT STATION, by N. J. King	129
THE GIANT AMERICAN TOAD	133
THE BREEDING OF NEW VARIETIES OF SUGAR CANE, by A. F. Bell	134
IDENTIFICATION OF RATS DAMAGING CANE IN QUEENSLAND CANEFIELDS, by W. A. McDougall	141
MODIFICATION OF THE "SPINNER" WEEDER	144
*SPRAY IRRIGATION, by H. W. Kerr	145
SULPHATE OF AMMONIA, DOES IT EVAPORATE?	149
A HOT-WATER SYSTEM FOR THE FARM, by H. W. Kerr	150
TUNG OIL PRODUCTION	152

VOLUME IV

Contents

"HUMUS"—WHAT IS IT?	1
ARMY WORM OUTBREAK	4
SEX REVERSAL IN THE GIANT TOAD	7
GUMMING DISEASE IN THE MULGRAVE AREA	8
TESTING CANE SAMPLES AT EXPERIMENT STATIONS	8
PROBABLE WIREWORM DAMAGE IN THE MACKAY DISTRICT DURING 1936	10
FIJI DISEASE IN SOUTH QUEENSLAND	12
SUGAR EXHIBIT AT THE SOUTH AUSTRALIAN CENTENNIAL EXHIBITION	17
GUMMING RESISTANT CANES IN SOUTHERN QUEENSLAND	19
HOW FREQUENTLY DO GIANT TOADS PRODUCE EGGS?	25
PERMITS FOR TRANSFER OF SUGAR-CANE PLANTS	25
SOIL EROSION	26
ARE OUR SEASONS CHANGING?	34
P.O.J. 2878 AND P.O.J. 2725 UNDER IRRIGATION AT THE BUNDABERG EXPERIMENT STATION	37
FIJI DISEASE—ERADICATION OF DISEASED STOOLS IN YOUNG SUGAR CANES	39
SOME CANE VARIETAL TRIALS HARVESTED DURING 1936	40
STEM ROT IN STANDOVER P.O.J. 2878 IN THE BUNDABERG-ISIS DISTRICT	45

* Reprinted by courtesy of the Queensland Society of Sugar Cane Technologists.

	PAGE.
PINEAPPLE DISEASE—A CAUSE OF POOR GERMINATION IN CANE ..	46
REMOVAL OF BAN ON RELEASE OF GIANT TOADS	48
SPRAY IRRIGATION TRIAL IN THE BURDEKIN DISTRICT	49
SUBSIDY ON FERTILIZERS	50
THE RIND HARDNESS MACHINE AND ITS USE	51
SUGAR AT THE ROYAL NATIONAL SHOW	54
ALTERNATIVE CROPS FOR THE CANEGROWER	58
DOES MANURING PAY?	63
DOES CULTIVATION CONSERVE SOIL MOISTURE?	66
A SIMPLE METHOD OF ASSEMBLING PORTABLE LINE	68
WIREWORM DAMAGE IN THE MACKAY DISTRICT	74
SUBTERRANEAN WATERS OF THE WOONGARRA LANDS	75
A NEW TYPE OF IRRIGATION SPRINKLER	79
Farm Fertility Trials—1936 Season	81
Northern Districts	83
Messrs. A. S. and F. W. HARDWICK'S Farm, Mowbray, Mossman	83
R. D. REX'S Farm, Mossman	84
C. RUSSELL'S Farm, Smithfield, via Cairns	85
Messrs. VESSEY AND SON'S Farm, Edge Hill, Cairns	86
Messrs. S. J. PAGE AND SON'S Farm, Edmonton	87
R. HANSEN'S Farm, Highleigh, Gordonvale	88
Messrs. HICKLING BROS.' Farm, Aloomba	89
R. J. WATTERS' Farm, Gordonvale	90
W. A. WILKINS' Farm, Mirriwinni, Babinda	91
C. T. NIELSEN'S Farm, Bellenden Ker, Babinda	92
Mrs. E. WILLIAMS' Farm, Eubenangee	93
J. F. MCCUTCHEON'S Farm, Liverpool Creek, Mourilyan	94
C. BARBERA'S Farm, Mourilyan	95
J. P. KELLEHER'S Farm, Tully	96
F. J. LANDAU'S Farm, Feluga, Tully	97
Burdekin District	98
E. C. EDWARDS' Farm, Home Hill	99
Messrs. C. HANSEN AND SON'S Farm, Ana Branch, Ayr	100
Southern Districts	101
BINGERA PLANTATION (Block KB 2), Bundaberg	102
BINGERA PLANTATION (Block 5a), Bundaberg	103
BINGERA PLANTATION (Block 30), Bundaberg	104
BINGERA PLANTATION (Mitchell's 3, Hill End), Bundaberg	105
QUNABA PLANTATION, Bundaberg	106
Messrs. COURTICE BROS.' Farm, Barolin road, Bundaberg	107
C. M. JENSEN'S Farm, South Kolan, Bundaberg	108
W. LOESKOW'S Farm, Gooburrum, Bundaberg	109
F. C. REHBEIN'S Farm, Germantown road, Bundaberg	110
F. READ'S Farm, off Barolin road, Bundaberg	111
WINDERMERE PLANTATION, Bundaberg	112
G. H. O'ROURKE'S Farm, Maroochy River, via Yandina	113
J. H. BRAND'S Farm, Huxley road, Childers	114

	PAGE.
Varietal Trials, 1936 Season	115
P. SIMMOND'S Farm, Wright's Creek, Edmonton	115
Messrs. C. D. and H. D. BUSS'S Farm, Oakwood, Bundaberg	117
H. A. ILETT'S Farm, Appletree Creek, Childers	118
J. YOUNG'S Farm, Burnett Heads road, Bundaberg	119
R. E. BAUMGART'S Farm, Island Plantation, Maryborough	120
* MITSCHERLICH POT TESTS, by H. W. Kerr and E. J. Barke	121
* REVIEW OF RESULTS FROM FERTILITY TRIALS IN NORTH QUEENSLAND, by H. W. Kerr	128
* NOTES ON FARM HORSE RATIONS, by D. L. McBryde	133
IRRIGATION WATERS OF THE BURDEKIN DELTA, by N. G. Cassidy	135
* SOME NOTES ON RAT CONTROL IN THE MOURILVAN AREA, by E. H. Fox	137
THE USE OF UNSUITABLE FERTILIZER MIXTURES	139
* A MODIFIED IRRIGATION METHOD, by B. Tapiolas	140
* CANE SOILS OF NORTH QUEENSLAND, by N. J. King	143
THE DETERMINATION OF FIBRE IN CANE, by H. W. Kerr	148
RECENT ADVANCES IN CANE BORER INVESTIGATIONS IN NORTH QUEENSLAND, by A. F. Bell	151
CANE GRUBS IN SOUTHERN QUEENSLAND, by R. W. Mungomery	156
MULE BREEDING AT BUNDABERG, by N. J. King	158
EXPERIMENT STATION FIELD DAYS	160
* GUMMING DISEASE IN THE MULGRAVE DISTRICT, by Arthur F. Bell	161
SUGAR EXPERIMENT STATIONS ADVISORY BOARD	164

* Reprinted by courtesy of the Queensland Society of Sugar Cane Technologists.